Access DB# _____

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: _____ Examiner # : _____ Date: _____
Art Unit: _____ Phone Number 30: _____ Serial Number: _____
Mail Box and Bldg Room Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc. if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

_____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Jan Delaval
Reference Librarian
Biotechnology & Chemical Library
CM1 1E07 – 703-308-4498
jan.delaval@uspto.gov

****

STAFF USE ONLY	**Type of Search**	**Vendors and cost where applicable**
Searcher: _____	NA Sequence (#)_____	STN _____
Searcher Phone # _____	AA Sequence (#)_____	Dialog _____
Searcher Location _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up _____	Bibliographic _____	Dr Link _____
Date Completed: _____	Litigation _____	Lexis/Nexis_____
Searcher Prep & Review Time _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time _____	Patent Family _____	WWW/Internet _____
Online Time _____	Other _____	Other (specify)_____

PTO-1590 (8-01)

Jan Delaval
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jan.delaval@uspto.gov

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=> d his

     FILE 'HOME' ENTERED AT 13:14:14 ON 14 MAY 2008
                SET COST OFF

     FILE 'REGISTRY' ENTERED AT 13:14:21 ON 14 MAY 2008
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                E IL-2 RECEPTOR
                E IL-2 RECEPTOR ALPHA
                E IL-2 RECEPTOR BETA
L1          1 S E3 OR E4 OR E5

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L5          0 S L1 AND L2
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L41         14 S L34 AND (PRS/PY OR PRS/AY OR PRS/PD OR PRS/PRIO OR PRS/APPI OR PRS
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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STRUCTURE FILE UPDATES: [illegible]
PROTEIN NAME FILE UPDATES: [illegible]

TOTAL SUBSTANCE RECORDS [illegible]

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[illegible]
[illegible]
[illegible]

L4 ANSWER [illegible]
RN 9001-92-7 REGISTRY
CN Proteinase [illegible] (9CI) INDEX NAME
OTHER NAMES:
CN Aprinase
CN Alkalase 2.5L type DX
CN Alkalase [illegible]
CN ALP 1
CN ALP 1
CN Aqualase E
CN Arkalase [illegible]
CN Ar 1.1
CN Ar 10
CN Azocaseinase
CN BAPAase
CN Bioprotease A
CN Bioprotease N [illegible]
CN Carbonyl hydr[illegible]ase
CN Casein [illegible]
CN [illegible]
CN [illegible] AP 1 [illegible]
CN [illegible]
CN [illegible]
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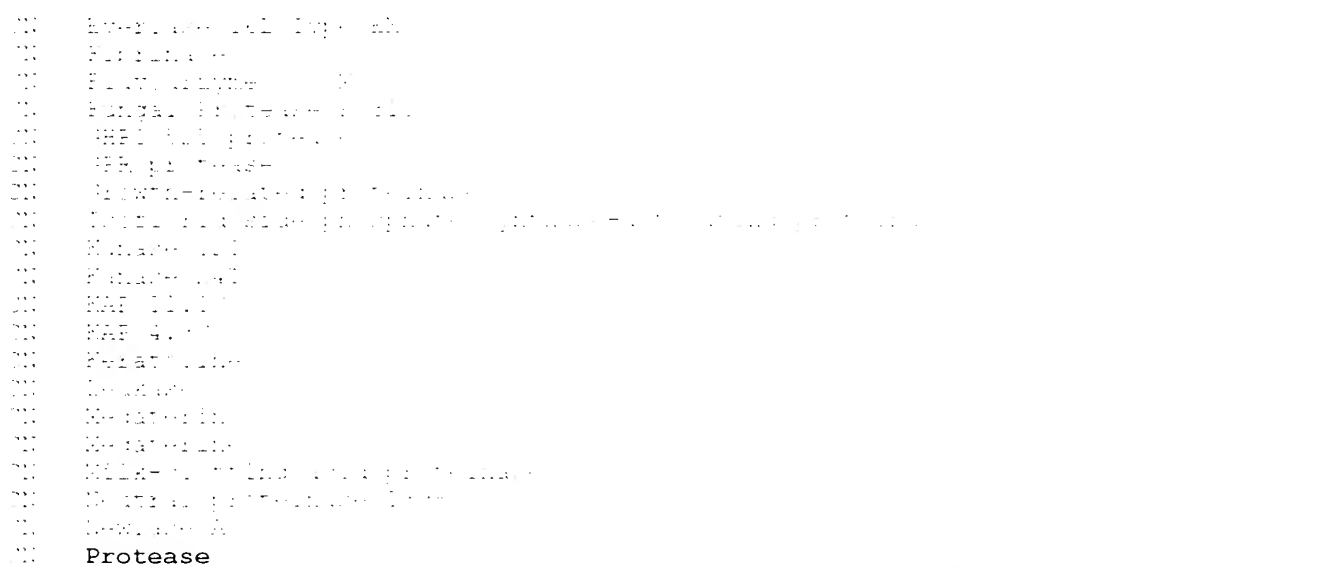

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L44 ANSWER 2 OF 14 REGISTRY COPYRIGHT 2005 ACS
RN 399104-42-8 REGISTRY
ED Entered STN: 16 Jan 2002
CN Red-shifted green fluorescent protein (Aequorea victoria) fusion protein with tobacco etch virus cysteine proteinase-cleavable peptide (synthetic 72-amino acid) fusion protein with protein DsRed (Discosoma) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN [illegible]
CN PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS

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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: [illegible]

Additional hits" from search - 17 hits in 2 from New File

L44 ANSWER 3 OF 14 REGISTRY COPYRIGHT 2005 ACS
RN 399104-41-7 REGISTRY
ED Entered STN: 16 Jan 2002
CN Red-shifted green fluorescent protein (Aequorea victoria) fusion protein with tobacco etch virus cysteine proteinase-cleavable peptide (synthetic 31-amino acid) fusion protein with protein DsRed (Discosoma) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN [illegible]
CN PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L44 ANSWER 4 OF 14 REGISTRY COPYRIGHT 2005 ACS
RN 208934-04-7 REGISTRY
ED Entered STN: 16 Nov 1995
CN Napsin (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Aspartic protease napsin
CN Napsin A
CN Napsin B
CN Protease Asp3
CN Protease Asp4
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, MEDLINE, TOXCENTER

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REFERENCE [illegible]

REFERENCE [illegible]

REFERENCE [illegible]

REFERENCE [illegible]

REFERENCE [illegible]

L44 ANSWER [illegible]
RN 161384-17-4
CN Proteinase, matrix metallo-, MT-MMP-1 (9CI)
OTHER NAMES:
CN Matrix metalloprotease 14
CN Matrix metalloproteinase 14
CN Matrix metalloproteinase MT 1
CN Matrix metalloproteinase MT-MMP-1
CN Matrix metalloproteinase MT1-MMP
CN Membrane type 1 matrix metalloproteinase
CN Membrane type-1 matrix metalloprotease
CN Membrane-type matrix metalloprotease 1
CN Membrane-type matrix metalloproteinase 1
CN Membrane-type matrix metalloproteinase MT1-MMP
CN Membrane-type metalloproteinase MT1-MMP
CN MMP-14
CN MT-MMP1
CN MT1-MMP
MF [illegible]
CI MAN
CA [illegible]
LC [illegible]

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REFERENCE [illegible]

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REFERENCE [illegible]

[illegible]

[illegible]

L44 ANSWER [illegible]
RN 161052-06-8
[illegible]
OTHER NAMES:
CN Leishmania major major surface proteinase gp63
CN Leishmania metalloproteinase
CN Proteinase, Leishmania mexicana amazonensis protein gp63 acid
[illegible]
[illegible]
[illegible]
[illegible]
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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

L44 ANSWER [illegible]
RN 158736-49-3
[illegible]
OTHER NAMES:
[illegible]
CN Aspartic protease BACE
CN Aspartic protease BACE1
CN Aspartic protease BACE2
[illegible]
[illegible]
CN Protease Asp1
CN Protease Asp2
CN Proteinase BACE1
CN Proteinase BACE2

[redacted]

L44 ANSWER [redacted] OF 14 REGISTRY [redacted]
RN 146480-35-5 REGISTRY
CN Gelatinase A [redacted]
OTHER NAMES:
CN 72 kDa Gelatinase
CN 72 kDa Gelatinase type A
CN 72, [redacted]-Mol.-wt. Gelatinase
CN 72,000-Mol.-wt. type IV Collagenase
CN Collagenase IV
CN Collagenase type IV
CN E.C. 3.4.24.24
CN Matrix metalloprotease 2
CN Matrix metalloproteinase 2
CN MMP-2
CN Type IV collagen metalloproteinase
CN [redacted]
CN [redacted]
MF [redacted]
CI MAN
SR CA
LC STN Files: [redacted]

[redacted]

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REFERENCE [illegible]

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REFERENCE [illegible]

REFERENCE [illegible]

L44 ANSWER [illegible]

RN 144114-21-6 REGISTRY

CN Retrop-psin. [illegible] (A INDEX NAME

OTHER NAMES:

CN Avian leukosis virus proteinase

CN E.C. 3.4.23.-

CN FIV proteinase

CN Gag Protease

CN HIV aspartyl protease

CN HIV protease

CN HIV proteinase

CN HIV-1 aspartyl protease

CN HIV-1 aspartyl proteinase

CN HIV-1 protease

CN HIV-1 proteinase

CN HIV-1 virus aspartyl proteinase

CN HIV-1 virus protease

CN HIV-2 protease

CN HTLV proteinase

CN HTLV-1 proteinase

CN Human immunodeficiency virus protease

CN Mason-Pfizer monkey virus protease

CN Moloney murine leukemia virus protease

CN Retroproteinase

CN Rous sarcoma virus protease

CN RSV proteinase

CN Simian immunodeficiency virus aspartyl proteinase

MF Unspecified

CI COM, MAN

SR CA

LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CABA, CAPLUS, CBNB, CEN, EMBASE, TOXCENTER, USPATFULL

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L44 ANSWER [illegible]
RN 141760-45-4
[illegible]
OTHER NAMES:
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
CN Saccharomyces cerevisiae gene QDS1 proteinase
CN Serine proteinase PACE
[illegible]
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L44 ANSWER [illegible]
RN 139691-88-6
[illegible]
CN Proteinase, assembly protein precursor-processing (9CI)
[illegible]
[illegible]
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CN Assem...
CN Assembly protein precursor-processing proteinase
CN Cytomegalovirus protease
CN Gene UL26 protease
CN Herpes simplex virus 1 proteinase Pra

Herpesvirus serine proteinase
HSV 1 protease
Human cytomegalovirus maturational proteinase
Human cytomegalovirus protease
Human cytomegalovirus proteinase
Kaposi's sarcoma-associated herpesvirus protease
Varicella-zoster virus gene 33 proteinase

122191-40-6
Proteinase, interleukin 1.beta. precursor (9CI)
CED-3 protease
ICE proteinase
Interleukin 1.beta. precursor proteinase
Pro-interleukin 1.beta.-proteinase
Prointerleukin 1.beta. protease

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REFERENCE 8: [illegible]

REFERENCE 9: [illegible]

REFERENCE 10: [illegible]

L44 ANSWER [illegible] OF 14 REGISTRY COPYRIGHT [illegible]
RN 115775-22-9 REGISTRY
CN Proteinase, tobacco etch virus cysteine (9CI) (CA INDEX NAME)
OTHER NAMES:
CN TEV protease
CN Tobacco etch virus cysteine proteinase
CN Tobacco etch virus protease
MF Unspecified
CI MAN
SR CA
LC STN Files: BIOSIS, CA, CAPLUS, TOXCENTER

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L44 ANSWER [illegible] OF 14 REGISTRY COPYRIGHT [illegible]
RN 99676-46-7 REGISTRY
CN [illegible] (9CI) (CA INDEX NAME)

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 '    [illegible]
 '    [illegible]
 '    [illegible]
 '    [illegible]
 '    Endoprotease PC1/3
 '    Endoprotease PC3
 '    Endoproteinase Kex2p
 '    Gene KEX2 dibasic proteinase
 '    Kex 2p proteinase
 '    [illegible]
 '    Kex2 endoprotease
 '    Kex2 endoproteinase
 '    Kex2 protease
 '    Kex2 proteinase
 '    Kex2-like endoproteinase
 '    Kex2-like precursor protein processing endoprotease
 '    [illegible]
 '    [illegible]
 '    PC1 proteinase
 '    PC3 precursor-processing proteinase
 '    [illegible]
 '    [illegible]
 '    [illegible]
 '    [illegible]
 '    [illegible]
 '    Prohormone-processing endoprotease
 '    Prohormone-processing KEX2 proteinase
 '    Prohormone-processing proteinase
 '    [illegible]
 '    [illegible]
 '    [illegible]
 '    Protease KEX2
 '    Proteinase Kex2p
 '    Proteinase PC1
 '    Proteinase, prohormone-processing
 '    [illegible]
 '    KEX
 '    2A
 '    STN Files:   [illegible], ANABSTR, BIOTECHNO, BIOSIS, CA, CAPLUS, CIN,
        IFICDT, TOXCENTER, USPATFULL

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37353-41-6 [illegible]

Proteinase, cysteine (9CI) [illegible]

OTHER NAMES:

[illegible]

Cysteine endoprotease

[illegible]

Cysteine protease

Cysteine proteinase

L-Cysteine proteinase

Mercapto proteinase

[illegible]

Papain-like cysteine protease

[illegible]

[illegible]

Sulfhydryl protease

Sulfhydryl proteinase

[illegible]

Thiol endoproteinase

Thiol protease

Thiol proteinase

Thioprotease

[illegible]

LC STN Files: [illegible]

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REFERENCE [illegible]

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[illegible]

[illegible]

AN 136:320313

TI High [illegible] libraries of

[illegible]

method

polynucleotides

method DNA library

plurality : nucleic acid sequences

clones

polynucleotide sequence

substrate.

library

library.

Methods

reporter gene

library

sequence

sequence

sequences

clone library

nucleic acid

combinatorial DNA library

combinatorial

library

libraries

libraries

fluorescence-

libraries

libraries

libraries

libraries

DNA

DNA

libraries

DNA sequences

libraries

libraries

libraries of [illegible]

IT Phosphatases, [illegible]
RL: BPR (Biological process), Unclassified; BSU (Biological study, unclassified); [illegible]
(Uses
[illegible], cell encapsulation in liposomes for [illegible]; high throughput
capillary-based screening of libraries [illegible]
[illegible]

IT Metabolites
[illegible]; high throughput capillary-based screening of libraries [illegible]
[illegible]

IT [illegible]
[illegible], cell encapsulation in [illegible]; high throughput capillary-based
screening of libraries of [illegible]

IT Fluorescent substrates
[illegible] substrates; high throughput capillary-based
screening of libraries [illegible]

IT Bacillus [illegible]
Fermentation
[illegible]
[illegible]
(cloning and [illegible] DNA [illegible]; high throughput
[illegible] capillary-based screening of libraries [illegible]
[illegible]

IT [illegible]
RL: ANST (Analytical study); BSU (Biological study, unclassified); [illegible]
(as fluorophores; high throughput or capillary-based
screening of libraries of compds. for biol. activities

IT Neuston
(bacteria, screening of [illegible]; high throughput or capillary-based
screening of libraries of compds. for biol. activities

IT Spheres
(beads, Paramagnetic; high throughput or capillary-based screening of
libraries of compds. for biol. activities

IT DNA
RL: ARG (Analytical reagent use); ANST (Analytical study); [illegible]
[illegible], [illegible]; high throughput
capillary-based screening of libraries [illegible]
[illegible]

IT Glycolipids, biological studies
Glycolipids
Phosphatidylcholines, biological studies
Phospholipids, biological studies
Sphingomyelins
Sterols, biological studies
Tocopherols
RL: BPR (Biological process), Unclassified; BSU (Biological study, unclassified); [illegible]
(Uses
[illegible] encapsulation in [illegible]; high throughput
capillary-based screening of libraries [illegible]
activities

IT Liposomes
Macrophage
(cell encapsulation in; high throughput capillary-based screening of
libraries of compds. for biol. activities

IT Erythrocyte
[illegible], cell encapsulation in; high throughput
capillary-based screening of libraries [illegible]
activities

IT [illegible] library
combinatorial; high throughput capillary-based screening of
libraries [illegible]

IT [illegible]

libraries

nucleic acid

libraries

libraries

libraries

libraries

libraries

Recombination, genetic

libraries

libraries

Nucleic acid

recombination

combinatorial libraries;

libraries

nucleic acid

recombination

combinatorial libraries;

libraries

libraries

Combinatorial library

libraries

libraries

Proteins

green fluorescent, reporter

label;

libraries

libraries

libraries

DNA

libraries

libraries

gene

libraries

libraries

libraries

libraries

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hyperthermo[illegible], [illegible] [illegible]; [illegible]
[illegible] : libraries [illegible]

IT [illegible]
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library [illegible]
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capillary-[illegible] [illegible] : libraries [illegible]
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: libraries [illegible]

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[illegible]

IT [illegible]
Microorganism
(mixed populations, [illegible] : [illegible] libraries [illegible]
throughput of capillary-based [illegible] : libraries
compds. for biol. activities

IT Protein engineering
(mutagenesis and [illegible]; [illegible]
[illegible] of libraries [illegible]

IT [illegible]
[illegible]; [illegible]
libraries [illegible]

IT [illegible]
[illegible]; [illegible]
libraries of [illegible]

IT Plankton
(piezo-, mixed populations, [illegible] : [illegible] libraries
from; high [illegible]
or compds. for biol. activities

IT Microorganism
psychrophile, mixed [illegible], [illegible] : [illegible]
libraries from; [illegible] : [illegible]
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[illegible] : libraries [illegible]

IT [illegible]
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libraries [illegible]

IT [illegible]
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capillary-based [illegible] : libraries [illegible]
activities

IT [illegible]
[illegible]

libraries

libraries

libraries

libraries

libraries

libraries

libraries

Genetic methods

Genetic methods

libraries

Nucleic acid method

libraries

libraries

substrates;

libraries

Fluorescein,

as fluorophores;

libraries

substrate;

libraries

: libraries

cloning : genes

: libraries

cloning : genes

: libraries

IT 9001-92-7, Proteinase

: libraries

: libraries

: libraries

: libraries

substrate

: libraries

libraries

: sequence;

: libraries

136:179829

Fusion proteins

fluorescent proteins

proteinase

proteinase

PATENT NO. KIND DATE ORIGINAL APPL NO. DATE

AB autofluorescent fusion protein protease substrate. nucleic acid sequence fusion protein, method fusion protein nucleic acid sequence fluorometric proteolytic green fluorescent protein protein virus proteinase- recombinant fusion protein fluorescence protease GFP fusion; proteinase recombinant fluorescent protein fusion

IT Fluorometry
fluorescence; fusion proteins fluorescent proteins proteinase

IT Proteins
fusion proteins; fusion proteins fluorescent proteins proteinase

IT Fluorometry
fluorescence; fusion proteins fluorescent proteins proteinase

IT Fluorometry
fusion proteins

fluorescent proteins
proteinase : proteinase

IT
fluorescence ; fusion
proteins fluorescent
proteins proteinase :
proteinase

IT Proteins

green fluorescent, fusion
proteins; fusion proteins
fluorescent proteins
proteinase : proteinase

IT Proteins

green fluorescent, fusion
proteins; fusion proteins
fluorescent proteins
proteinase : proteinase

IT cloning
: proteinase substrate DNA;
fusion proteins
fluorescent proteins
proteinase : proteinase

IT Protein sequences
fusion proteins

IT
, proteinase substrate-encoding;
fusion proteins
fluorescent proteins
proteinase : proteinase

IT
, proteinase substrate-encoding;
fusion proteins
fluorescent proteins
proteinase : proteinase

IT
proteinase substrate ; fusion
proteins fluorescent
proteins and their use in proteinase
proteinase

IT , Plasmid , ,
115775-22-9, protease ,
Tissue plasminogen 139691-88-6,
proteinase 144114-21-6,
RL: ANT Analyte ; ANST Analytical study
fusion proteins
fluorescent proteins
proteinase : proteinase

IT 9001-92-7, Proteinase
; fusion proteins
fluorescent proteins
proteinase : proteinase

IT 399104-41-7P 399104-42-8P

protein sequences; fusion
proteins fluorescent
proteins proteinase
proteinase

protein sequence; fusion
proteins fluorescent
proteins proteinase
proteinase

sequence; fusion proteins
fluorescent proteins
proteinase proteinase

135:176419
Methods polynucleotide
encoding protease
chimeric protein

cloning
sequences proteases. Methods
protease
label
protease, fusion
label
label chimeric
protein
protein fusion
protein
fusion
protease
protein

protein. Recombinant envelope proteins
protein. Recombinant envelope proteins
protein. Recombinant envelope protein
protein. Review methods
proteases
proteases
substrate
cloning
metalloproteinase, HIV-dependent,
proteinase
IT protease gene identification and cloning
display envelope protein
IT Marine bacteriophage T4
T4, envelope protein ; methods
identifying candidate polynucleotide
protease using viral display
chimeric envelope protein
IT Transcription factors
RL: ARG (Analytical reagent use); BIOL (Biological study); USES (Uses)
(T4, envelope protein ; methods
identifying candidate polynucleotide
protease using viral display
chimeric envelope protein
IT Transcription factors
RL: ARG (Analytical reagent use); BIOL (Biological study); USES (Uses)
T4, envelope protein ; methods
identifying candidate polynucleotide
protease using viral display
chimeric envelope protein
IT Animal cell line
HEK 293, transfected; methods
polynucleotide
protein
IT Antiviral agents
gene
identifying candidate polynucleotide
protease
chimeric
IT Proteins, specific
RL: BSU (Biological study, unclassified); BIOL (Biological study)

autofluorescent, gene encoding,
reporter gene; methods
polynucleotide encoding
protease
chimeric protein

IT Fusion,
methods polynucleotide
encoding protease
chimeric protein

IT Proteins,
RL: fluorescent, gene encoding,
reporter gene; methods
polynucleotide encoding
protease
chimeric protein

IT
protein ; methods
polynucleotide encoding
protease
chimeric protein

IT
protein ; methods
polynucleotide encoding
protease
chimeric protein

IT
protein ; methods
polynucleotide encoding
protease
chimeric protein

IT Gene
RL:
proteinase; methods
polynucleotide encoding protease
chimeric
protein

IT
protein ; methods
polynucleotide encoding
protease
chimeric protein

IT
fusion
; methods
polynucleotide encoding protease
chimeric
protein

IT proteins

fusion [illegible]; methods [illegible]
polynucleotide [illegible] encoding protease
[illegible] chimeric [illegible]
protein

IT Proteins, [illegible]
[illegible]
green fluorescent, gene encoding
, [illegible] reporter gene; methods [illegible]
[illegible] polynucleotide [illegible] encoding
protease [illegible]
chimeric [illegible] protein

IT Proteins, [illegible]
[illegible]
[illegible] protein [illegible];
methods [illegible] polynucleotide
[illegible] encoding protease [illegible]
[illegible] chimeric [illegible] protein

IT Genetic [illegible]
Genetic methods
[illegible] cloning
Nucleic acid [illegible] method
[illegible], genetic
cDNA library
methods [illegible] polynucleotide
[illegible] encoding protease [illegible]
[illegible] chimeric [illegible] protein

IT [illegible] nucleic acid
Reporter gene
[illegible]
methods [illegible] polynucleotide
[illegible] encoding protease [illegible]
[illegible] chimeric [illegible] protein

IT [illegible]
polynucleotide [illegible]; methods [illegible]
[illegible] polynucleotide [illegible] encoding
protease [illegible]
chimeric [illegible] protein

IT [illegible]
polynucleotide [illegible]; methods [illegible]
[illegible] polynucleotide [illegible] encoding
protease [illegible]
chimeric [illegible] protein

IT [illegible]
polynucleotide [illegible]; methods [illegible]
[illegible] polynucleotide [illegible] encoding
protease [illegible]
chimeric [illegible] protein

IT [illegible]
polynucleotide [illegible]; methods [illegible]
[illegible] polynucleotide [illegible] encoding
protease [illegible]
chimeric [illegible] protein

IT Protein [illegible]
protease [illegible]; methods [illegible]
[illegible] polynucleotide [illegible] encoding
protease [illegible]
chimeric [illegible] protein

IT [illegible]
[illegible]; methods [illegible]
polynucleotide [illegible] encoding protease
[illegible] chimeric [illegible]

protein

IT 146480-35-5P, [illegible] 161384-17-4P, [illegible]

[illegible]

cloning ; methods [illegible]

polynucleotide [illegible] encoding protease

[illegible] chimeric

protein

IT [illegible]

[illegible]

[illegible] protein [illegible]; methods [illegible]

[illegible] polynucleotide [illegible] encoding

protease [illegible]

chimeric [illegible] protein

IT [illegible]

[illegible]

gene encoding, [illegible] reporter gene

; methods [illegible] polynucleotide

[illegible] encoding protease [illegible]

[illegible] chimeric [illegible] protein

IT 9001-92-7P, Protease

[illegible]

methods [illegible] polynucleotide

[illegible] encoding protease [illegible]

[illegible] chimeric [illegible] protein

IT 141760-45-4, [illegible]

[illegible]

[illegible]; methods [illegible]

polynucleotide [illegible] encoding protease

[illegible] chimeric [illegible]

protein

IT [illegible]

[illegible]

[illegible] gene, [illegible] genetic [illegible];

methods [illegible] polynucleotide

[illegible] encoding protease [illegible]

[illegible] chimeric [illegible] protein

RE.CNT [illegible] THERE ARE [illegible] CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

[illegible]

L41 ANSWER [illegible] OF 14 [illegible]

AN [illegible]

DN [illegible]

TI [illegible]

peptide libraries

AU Scott, C. P.; [illegible]; Benkovic, S.

J.

[illegible]

[illegible]

[illegible]

SO [illegible]

LA [illegible]

IT [illegible]

methods

libraries

methods

Genetic

methods

peptide libraries

genetic methods.

peptide

substrate

Libraries

clones

library

method

libraries

peptides

. Genetic encoding

method

peptide

methods

peptide library

peptide libraries

IT Peptides,

RL: ANT (Analyte); ANST (Analytical study)

(cyclic; structural requirements for interaction with myelin

peptide libraries)

IT Cell membrane

Genetic methods

Peptide library

peptide libraries

RE

1 [illegible]

2 Barbas, C; [illegible]

3 Bessette, [illegible]

4 Blind, M; [illegible]

5 [illegible]

6 [illegible]

7 [illegible]

8 [illegible]

9 [illegible]

10 [illegible]

11 [illegible]

12 [illegible]

13 [illegible]

14 [illegible]

15 [illegible]

16 [illegible]

17 [illegible]

18 [illegible]

19 [illegible]

20 [illegible]

134:112228
Fluorescent fusion protein
reporter substrate protein
protease
Fluorescent labeled
protein protease substrate
fluorescent proteins N
C-terminal peptide
protease Labeling
peptides fluorescent proteins
fluorescent
Recombinant labeled
fusion protein protease substrate
peptide protease
green fluorescent protein
GFP N-terminal
fluorescent protein C-
terminal constructed
protease substrate GFP
FRET labeling; protein
protease fluorescent fusion
protein substrate
recombinant; fluorescent
fusion protein reporter
substrate protease
Proteins,
fluorescent protein
fluorescent fusion protein
reporter substrate protease
Genetic
cloning
Protein
Protein sequences

fluorescent fusion protein ..
reporter substrate : : protease ..
IT Fusion proteins chimeric proteins
..
..
fluorescent fusion protein ..
reporter substrate : : protease ..
IT .. proteins
..
fluorescent fusion protein ..
reporter substrate : : protease ..
IT Peptides, ..
..
fluorescent fusion protein ..
reporter substrate : : protease ..
..
fluorescent, .. ; fluorescent fusion
protein .. reporter substrate : :
protease ..
IT Proteins, ..
..
(green fluorescent, fusion
protein; fluorescent fusion protein
.. reporter substrate : : protease
..
IT Bacteria Eubacteria
Eukaryota Fungi ..
..
recombinant ..; fluorescent
fusion protein .. reporter
substrate : : protease ..
IT ..
..
sequence; fluorescent fusion
protein .. reporter substrate : :
protease ..
IT 9001-92-7, Protease
..
fluorescent fusion protein ..
reporter substrate : : protease ..
IT ..
..
: nucleotide sequence; fluorescent
fusion protein .. reporter
substrate : : .. : protein
protease ..

L41 ANSWER .. ..
AN ..
IN 134:2050

IT Fluorescent fusion protein
reporter substrate protease

IT Fluorescent labeled protease
substrate fluorescent proteins
N C-terminal
peptide protease
Labeling peptides fluorescent
proteins fluorescent
Recombinant
labeled fusion protein
protease
substrate peptide
green fluorescent
protein GFP N-terminal
fluorescent protein C-
terminal constructed
IT fluorescent fusion protein
substrate FRET; proteinase fluorescent
fusion protein substrate FRET
IT
recombinant fluorescent
fusion protein reporter
substrate protease
IT Proteins,
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process);
USES
fluorescent protein GFP ;
fluorescent fusion protein
reporter substrate protease
IT Genetic
cloning
Protein
Protein sequences
fluorescent fusion protein
reporter substrate protease
IT Fusion proteins chimeric proteins

fluorescent fusion protein
reporter substrate protease
IT Peptides,

fluorescent fusion protein
reporter substrate protease

fluorescent, fusion protein; fluorescent fusion protein reporter substrate protease

Proteins,

green fluorescent, fusion protein; fluorescent fusion protein reporter substrate protease

recombinant fusion protein; fluorescent fusion protein reporter substrate protease

9001-92-7, Protease

fluorescent fusion protein reporter substrate protease

substrate; fluorescent fusion protein reporter substrate protease

sequence; fluorescent fusion protein reporter substrate protease

133:275788

substrates proteases peptide

Fluorogenic substrates proteolytic enzymes methodol.

quenched fluorogenic peptide substrates protease

fluorogenic substrates

recombinant

peptide

protease substrates

protease peptide

peptide

substrates

proteases peptide

Peptide

substrates

proteases peptide

Peptides,

substrates

proteases peptide

9001-92-7, Proteinase 208934-04-7,

substrates

proteases peptide

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TI Recombinant fusion proteins peptides

IN Benkovic, Stephen J.; Scott, Charles P.;

FAM.CNT 1

AP Methods peptides

peptides

methods

peptides

peptide peptide

peptide loop

peptide

peptide,

peptide

peptides, methods

libraries, methods peptides.

protein

proteolysis.

IT peptide fusion recombinant

fusion

IT Peptides,

; recombinant

fusion proteins peptides

IT Chimeric gene

fusion; recombinant

fusion proteins

peptides

IT DNA

gene ; recombinant

fusion proteins

peptides

IT Enzymes,

gene ; recombinant

fusion proteins

peptides

IT Proteins,

fusion proteins ; recombinant

fusion proteins

peptides

IT Recombinant cloning

chimeric gene fusion;

recombinant fusion

proteins peptides

IT

; recombinant

fusion proteins peptides

IT

recombinant fusion
proteins peptides

132:134243
Reporter Protein-Peptide
peptide fluorescent protein. fluorescein fluorescence-quenching peptide proteinase, fluorescence peptides 4-[2-aminoethyl]aminonaphthalene-1-sulfonic acid peptides dimerization. dimerization of peptides fluorometric peptide-protein peptide protein peptide fluorescence quenching fluorescein Protein reporter protein-peptide
Fluorescence
Fluorescence quenching
Fluorescent
reporter protein-peptide
Peptides,
Proteins,

reporter protein-

peptide

reporter protein-

peptide

fluorescein

reporter protein-

peptide

reporter protein-

peptide

9001-92-7, Proteinase

reporter protein-

peptide

peptides proteins

Scott, Charles P.

Benkovic, Stephen J.

libraries

Methods

libraries

library

library

methods.

proteins

peptide

method

proteins

peptides

recombinant

peptide protein

peptides

proteins

Peptides,

Proteins,

peptides

proteins

Proteins,

peptides

proteins

peptides

proteins

peptides

proteins

peptides

peptides

RE

L41 ANSWER 11 OF 14

AN

DN 131:239516

TI GFP as a reporter

sequence-specific proteases

AU

CS

SO

PB

LA English

AB

fluorescent

sequence-

proteases.

protease

substrate

N-terminal

green fluorescent protein GFP .
Proteolysis GFP fusion
protein,
fluorescent fusion protein
GFP proteolysis.
GFP
spectrofluorometer.
fluorescent substrate;
proteinase fluorescent substrate
Proteins,
green fluorescent, fusion
proteins ; GFP ; reporter
sequence- proteases
Protein
: GFP ; reporter
sequence- proteases
9001-92-7, Proteinase
: GFP ; reporter
sequence- proteases

129:172555
fluorescence-
fluorescence
green fluorescent protein GFP
- reporter gene.
fluorescence.
fluorescence
fluorescence
protease
green fluorescent
protein reporter gene.

reporter
fluorescence ; fluorescence
: GFP fluorescence.
fluorescence
Fluorometers
Fluorometry
fluorescence-
Reporter gene
fluorescence-
fluorescence
fluorescence-
fluorescent, ; fluorescence
Proteins,
green fluorescent;
fluorescence-
reporter ; fluorescence
Combinatorial
fluorescence-
9001-92-7, Protease
fluorescence-
127:187497
Fluorogenic substrates : proteinases
fluorescence

FAM. NT
PI [illegible]
W: [illegible]
PRAI [illegible]

AB Fluorogenic peptide [illegible] substrates [illegible] proteinases [illegible] peptides [illegible] from the [illegible] proteinase [illegible] fluorescence [illegible] fluorescence [illegible] fluorogenic [illegible] peptide [illegible] peptide may [illegible] protein [illegible] fluorescence [illegible] green fluorescent protein. [illegible] peptides [illegible] reactions where the group of interest would be [illegible]. A fusion protein of a green fluorescent protein and a blue fluorescent protein [illegible] connected by a linker that includes [illegible] and enterokinase [illegible]. [illegible] gene in Escherichia coli. The fusion protein [illegible] green fluorescence. [illegible] green emission [illegible] fluorescence of the blue protein [illegible]. The individual green and blue fluorescent proteins showed no changes in fluorescence indicating that they were resistant to trypsin.

ST fluorescent resonance energy transfer proteinase assay; FRET green fluorescent protein proteinase assay

IT Resonant energy transfer
fluorescent; fluorogenic [illegible] substrates
[illegible] proteinases [illegible] fluorescence [illegible]

IT Fluorometry
fluorogenic [illegible] substrates [illegible] proteinases [illegible] fluorescence [illegible]

IT Fusion proteins chimeric proteins

RL: [illegible]

fluorogenic, [illegible] proteinase [illegible] substrates; fluorogenic [illegible] substrates [illegible] proteinases [illegible] fluorescence [illegible]

IT Peptides, [illegible]

fluorogenic; fluorogenic substrates
proteinases
fluorescence

IT Chimeric genes

: green fluorescent protein
fusion ; fluorogenic substrates
proteinases
fluorescence

IT Proteins proteins

green fluorescent, fusion
proteins, proteinase
substrates; fluorogenic substrates
proteinases
fluorescence

IT Protein sequences

: green fluorescent protein
; fluorogenic substrates
proteinases
fluorescence

IT , fusion
fusion , fusion
, fusion
fusion , fusion

proteinase assay substrate; fluorogenic
assay substrates proteinases
fluorescence

IT , fusion

proteinase assay substrates;
fluorogenic assay substrates proteinases
fluorescence

IT 9001-92-7, Proteinase
37353-41-6,
proteinase 99676-46-7,
122191-40-6,
139691-88-6, 144114-21-6,
158736-49-3, 161052-06-8,

fluorogenic substrates
proteinases
fluorescence

IT

proteinase peptide
green fluorescent protein fusion
proteins; fluorogenic substrates
proteinases

... fluorescence ...

L41 ANSWER ... OF ... BIOSIS ...
AN ...
DN 116:250919
TI ... proteases ...
... fluorogenic ... substrates
AU ...
CS ...
SO ...
DT ...
LA English
... Enzymes
AB Intramol. quenched fluorogenic peptide substrates were ... specificity ... mechanism studies ... proteinases. The substrates should also be applicable ... fluorometric assay.
CT proteinase fluorogenic peptide substrate
IT Peptides, ...
RL: ...
fluorogenic, ... substrates ... proteinase
...
IT 9001-92-7, Proteinase
RL: ...
fluorogenic peptide substrates ...
specificity ...

=> fil biosis
FILE 'BIOSIS' ENTERED AT ... MAY ...
COPYRIGHT (C) ... BIOSIS ALL RIGHTS RESERVED.

FILE COVERS ... TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES NOW ENTERED FROM JANUARY ... TO DATE.

RECORDS LAST ADDED: ... May ...

=> d all

L50 ANSWER 1 OF 1 BIOSIS COPYRIGHT ... BIOLOGICAL ABSTRACTS INC.
AN 1998:119820 BIOSIS
DN PREV...
TI Development ... quenched fluorescent substrates ...
AU ..., Benkovic, Stephen J. (1)
CS ...
SO ...
DT ...
LA ...
AB ... responsible ... proteins. ... protease ... quenched fluorescent ...

fluorescence

quenched

quenched fluorescence

fluorescence

fluorescent

fluorescence

fluorescence

AN 21643033 : 11785758

green fluorescent protein

proteins

protein

protein-protein : protein

fluorescence

: green

fluorescent proteins

Endopeptidases: ME, metabolism
Luminescent Proteins: CH, chemistry
Luminescent Proteins: GE, genetics

RN 147336-22-9 (green fluorescent protein)

Endopeptidases

AN 21478852 : 11594737

TI Green fluorescent protein

: protease-

AB The green fluorescent protein GFP

GFP

GFP

Fluorescence

proteases,

GFP

GFP

protease

Binding Sites: BL, Biology

Electrophoresis, Polyacrylamide Gel

Fluorescence

*Luminescent Proteins: CH, chemistry

*Luminescent Proteins: GE, genetics

Mutagenesis, Site-Directed

Peptide Fragments: AN, analysis

Protein Binding: ME, metabolism

Proteins: CH, chemistry

Recombinant Fusion Proteins: BI, biosynthesis

Spectrometry, Fluorescence

Substrate Specificity: ME, metabolism

Trypsin: ME, metabolism

RN 147336-22-9 (green fluorescent protein)

Luminescent Proteins ; Peptide Fragments ; Recombinant Fusion Proteins ; Serine Endopeptidases ; Trypsin ; Yellow Fluorescent Protein

ANSWER OF MEDLINE

21157022 PubMed ID: 11256942

TI green fluorescent protein

Chalfie M; Tu Y; Euskirchen G; Ward WW; Prasher DC;

Biochemistry, General: GE, genetics

Genes, Reporter

MEDLINE; PubMed

Journal; Article; (JOURNAL ARTICLE)

General Review; REVIEW

(REVIEW, TUT Final

proteins

proteins

protein

green fluorescent protein GFP

fluorescent

proteins,

proteins, GFP fluorescence

protease

GFP

protein

proteases.

Aequorin: GE, genetics
*Aequorin: ME, metabolism
DNA, Complementary
Luminescent Proteins: GE, genetics
*Luminescent Proteins: ME, metabolism
Recombinant Proteins: GE, genetics
Recombinant Proteins: ME, metabolism

147336-22-9 (green fluorescent protein);

2001045557

20535188 11080689

endoproteases

: green fluorescent protein

GFP

encoded protease

fluorescent

GFP

Amino Acid Sequence

Biosensing Techniques

Cysteine Proteinase Inhibitors: PD, pharmacology

*Drug Evaluation, Preclinical: MT, methods

Flow Cytometry

Genes, Reporter: GE, genetics

Luminescent Proteins: GE, genetics

*Luminescent Proteins: ME, metabolism

Molecular Sequence Data

Protein Processing, Post-Translational: DE, drug effects

Recombinant Fusion Proteins

Reproducibility of Results

Transfection

147336-22-9 (green fluorescent protein)

Proteinase

1999400425

99400425 : 10471377

: green fluorescent protein

[illegible]

[illegible] proteins [illegible]

[illegible] protein [illegible]

[illegible] protein GFP [illegible]

[illegible]-GFP [illegible]

[illegible] GFP [illegible]

encoding [illegible]

endopeptidase [illegible]-GFP [illegible]

green fluorescence [illegible]

GFP [illegible]-GFP [illegible]

[illegible] Fluorescence [illegible]

[illegible]-GFP [illegible]

[illegible]-GFP-[illegible]

[illegible]-GFP [illegible]

protein [illegible]

[illegible]

Cell Fractionation

[illegible]

DNA, Complementary

Flow Cytometry

Genes, Reporter

[illegible]

Luminescent Proteins: BI, biosynthesis

*Luminescent Proteins: GE, genetics

[illegible]

[illegible]

Protein Sorting Signals: BI, biosynthesis

Protein Sorting Signals: GE, genetics

[illegible]

Recombinant Fusion Proteins: BI, biosynthesis

Transfection: MT, methods

RN 147336-22-9 (green fluorescent protein)

[illegible]

[illegible]

[illegible]

AN [illegible] MEDLINE

DN 96305134 [illegible]: 8707050

TI Fluorescence [illegible] green fluorescent protein.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

AB ... fluorescent ... green fluorescent
protein GFP ...
: GFP ...
... protease ...
GFP ...
... protein ..., ...
fluorescent proteins ...
protein ...
GFP ... protein-
protein ...; ... protease ...
'', ..., '', ..., '',
...
Base Sequence
Cloning, Molecular
DNA Primers
...
*Luminescent Proteins: CH, chemistry
Luminescent Proteins: GE, genetics
Molecular Sequence Data
Mutagenesis
Recombinant Fusion Proteins: AN, analysis
Spectrometry, Fluorescence
RN 147336-22-9 (green fluorescent protein)
CN DNA Primer ; ... ; ...

... FILE 'MEDLINE' ENTERED AT ... INTO THE MEDLINE SEGMENT

FILE LAST UPDATED: ... MAY ...
MOST RECENT DERWENT UPDATE ...
DERWENT WPI PATENT INDEX ... FILE, ...

... THE BASIC INDEX ...
... IN DERWENT WPI ...

... PATENT NUMBER AVAILABLE FOR PRINT AND DISPLAY

... FOR DETAILS OF THE PATENTS ... IN MEDLINE ...,
... :

... FOR ... IN ... SEARCH ...
... FILE, PLEASE VISIT:
...

... FOR THE BASIC ... IN ALL SEGMENTS ... IN ...
... FILES, PLEASE VISIT:
...

AN 2002-269094

NC C2002-079859

protease protease-

protease

C12N015-11;

C12N015-63;

protease

protease

protease

protease,

protease,

protease

protease-

protease

protease

D05-H09; D05-H12C; D05-H12E;
D05-H14; D05-H16; D05-H17C

Proteins:

protease

green fluorescent protein GFP

protease.

fluorescence

fluorescence

fluorescence

AN 2001-185140

N2001-132187 C2001-055889

TI protease protease

IC C12N015-09

protease,

fluorescent proteins

fluorescent

fluorescent protein

fluorescent

fluorescent proteins

green

protease

protease,

protein fluorescent
proteins

IN ABEL-SAINT G, P Y; BENKOVIC, S J; SCOTT, C P

; D05-H09;
D05-H12E; D05-H17C

AN 2000-106136

DNN N2000-081497 C2000-031958

PA (JOHN-I) JOHNSON M H; (KELL-I) KELLY E; (STAT-I) STATTON J W

BIOSIGNAL PARTNERS INC; (TYRA-N) TYRA-NOVUM APS

C12N015-62;

protein

protein

protein protein protein

protein protein protein

protein protein protein

green fluorescent protein GFP

type GFP;

protein-protein

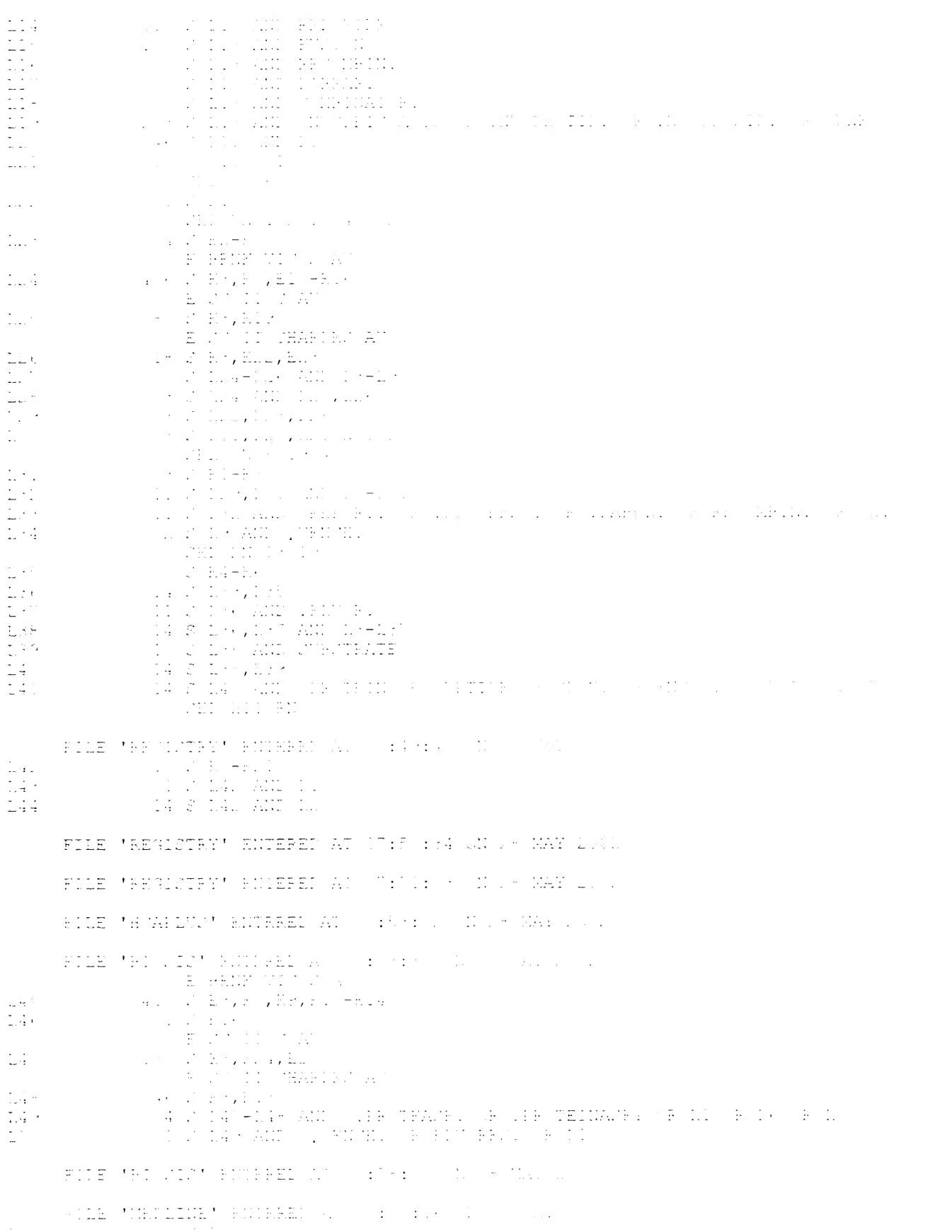
protein

protein

GFP

GFP

protease



FILE 'REGISTRY' ENTERED AT [illegible]

FILE 'REGISTRY' ENTERED AT [illegible]

FILE 'HCAPLUS' ENTERED AT [illegible]

FILE 'HCAPLUS' ENTERED AT [illegible]

FILE 'MEDLINE' ENTERED AT [illegible]